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(71) Applicant and

(72) Inventor: REICHNÉ MIKUS, Ildikó [HU/HU]; Rákóczi
út 41., H-2133 Sződliget (HU).

(74) Agent: DANUBIA PATENT AND TRADEMARK AT-
TORNEYS; Bajcsy-Zsilinszky út 16., H-1051 Budapest
(HU).

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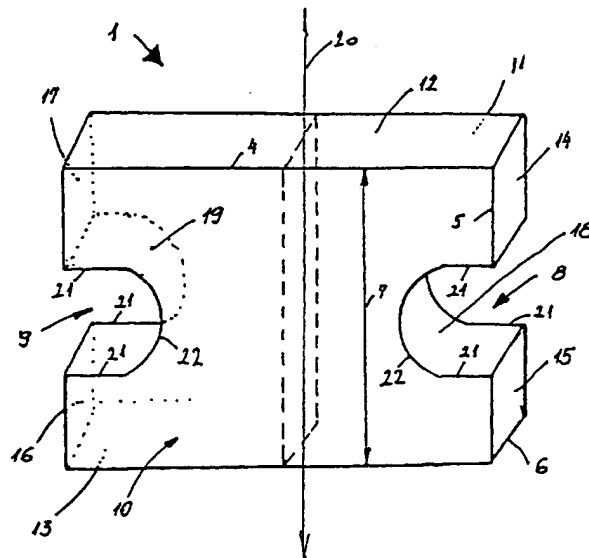
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ning of each regular issue of the PCT Gazette.

(54) Title: BEAUTY PILLOW



(57) Abstract: The invention relates to a beauty pillow (1) having an upper surface (10) parallel to a lower surface (11) and having lateral surfaces (12, 13, 14, 15, 16, 17) arranged transversely to said upper and lower surfaces (10, 11) and the pillow (1) has a cover (2) covering the outer surfaces, and a 'H' letter shaped prism form, where longitudinally extending inside contours of the arms of the 'H' letter are parallel to each other and connected with rounded edges cambered to the central portion of the pillow (1), the thickness of the beauty pillow (1) has a constant value, and inside of the beauty pillow (1) a filling having at least one layer is arranged beneath of the cover, the planes of said layer(s) is (are) parallel to the front view plane.



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BEAUTY PILLOW

The invention relates to a beauty pillow having an upper surface and a lower surface arranged parallel to each other, and having side surfaces being perpendicular to the upper and lower surfaces, further comprises at least one hole, and its entire surface is covered with a cover.

The inventions relating to the state of the art are directed markedly to smooth out the furrows of the human face.

The base conception of the patent description US-4,908,893 is similar to the conception of the present invention. The main drawback of this solution is that, that the opening is situated in the centre of the pillow, so the neck is not adequately supported. In the case of lying prone this effect arises strongly: the face is supported by the centre of the forehead and by the jaw, so during sleeping – when the muscle-tone is relaxed – it has a counter-effect, since a depression-furrow should be formed on the forehead, on the chin and beneath the lips. At the same time also the eyelid could be loosened because of the downwardly directing pressure of the eye. Although the invention of Julie A. Smith has several variants, said problems arise in the cases of each pillow. The unique exception is the embodiment having a special hole reinforced by a centric wire. But the wire situated in the pillow may be dangerous and

uncomfortable. The effort to obtain the least abutment of the face to the pillow is its only advantage.

The patent US 5,848,448 relates to a pillow having holes with different measures, such that the arrangement of said holes corresponds to the shape of the face, e.g. it has different holes to receive protruding parts of the head (nose, chin) being situated in these holes during sleeping. The first problem of this pillow is to form an individual arrangement to obtain the scope thereof and it does not necessarily follow that, in the case of sleeping and turning over, these parts of the head will be situated exactly in that respective holes.

The patent US-5,054,143 relates to a pillow placed out by a projection used as sleeping to support the neck and the face. Its main drawback is the necessary attention to the right lie so that the nightly rest can be broken.

The aim of our invention is to overcome the drawbacks mentioned above in such a way that the face does not be touched anyway by the pillow and the changing of position – turning over – does not ask for care at the same time.

The perception establishing the base of the present invention is the 'H' letter shape of the pillow according to the invention having legs joined by linear sections and arcs, and the depression-free placing of the face will be obtained by a hole being in offset position from the centreline and defined by said sections and arcs, since the face being in that place will not adjoin the pillow. Furthermore, the solid planar part of the pillow is to hold up the head, and the thickness of the pillow prevents: (i) wrinkling of the neck, (ii) formation of a double chin (folds of fat), and retains the straightforwardness of the backbone in a lying position eliminating the mornward backache.

The aim of the present invention is obtained by means of a beauty pillow having an upper surface and a lower surface arranged parallel to each other, and having side surfaces being perpendicular to the upper and lower surfaces, further comprises at least one hole, and its entire surface is covered with a cover, and the beauty pillow has a 'H' letter shaped right prism form in front view, and the at least one hole situated between the legs of the 'H' letter is defined by a lateral area determined by means of generating lines connecting curves formed by linear sections and an arc arranged on the upper and lower surface of the beauty pillow, and the minimal distance between said lateral area and a centreline of the beauty pillow is not less than a quarter of slant height, and a leg width measured between the lateral area and the side surfaces is in the range being between $3/10 - 4/10$ of side width of the beauty pillow having a constant thickness, and a multilayered filling, advantageously a three-layered filling is arranged beneath the cover covering the beauty pillow, so, that the planes of the layers of the filling are parallel to the upper surface.

The maximal measure of the slant height of the beauty pillow is advantageously 600 mm.

The maximal measure of side width of the beauty pillow is preferably 400 mm.

The maximum thickness of the beauty pillow is preferably 110 mm.

The maximal measure of leg width of the beauty pillow is advantageously 130 mm.

The maximal distance of linear sections being in the same surface is preferably 160 mm.

The maximal measure of leg width of the beauty pillow is advantageously 110 mm.

The beauty pillow preferably contains two holes arranged symmetrically to the centreline, and minimal distance of the holes is 400 mm or less.

The thickness of the cover is advantageously 0,5 mm or less.

The weight of the cover is preferably not less than 180 g/m², and it made from 100 % wool poplin, plain covering material.

The single layered filling is advantageously made of latex and/or polyurethane sponge.

The material of lateral fillings of the three-layered beauty pillow is preferably made of vlies, wool, or dimensionally unstable material.

The material of one of the centrally arranged layers of multilayered beauty pillow is advantageously made of coco-nut fibre.

In a preferred embodiment the maximum thickness of the centrally arranged layer of the three-layered beauty pillow is 30 mm.

The maximum thickness of the laterally arranged layers of the three-layered beauty pillow is preferably 40 mm.

These and other features of the present invention will be more particularly understood from the following detailed description and drawing. In the drawing the

Figure 1. is a front view of a preferred embodiment of the beauty pillow according to the present invention,

Figure 2. is a cross-section of the beauty pillow having a single filling layer,

Figure 3. is a cross-section of a preferred embodiment of the beauty pillow having three filling layers.

The Figure 1. shows a preferred embodiment of a 'H' letter shaped beauty pillow 1 according to the present invention, which comprises an upper surface 10 and a lower surface 11 being parallel to each other, and side surfaces 12, 13 being parallel to each other and perpendicular to the upper and lower surfaces 10, 11, and further comprises side surfaces 14, 15, 16, 17 being parallel to each other, and in addition, the beauty pillow 1 has lateral areas 18, 19 of holes 8, 9 connecting the side surfaces 14, 15 and 16, 17. The beauty pillow 1 has a slant height 4 of maximum 600 mm taking that maximal distance into consideration, which will be achieved by the human face during one's turning to the other side. In accordance with ergonomical considerations, the leg width 5 of beauty pillow 1 should have a maximal measure of 130 mm, its thickness 6 should not be greater than 110 mm, and its holes 8, 9 arranged symmetrically to the centreline 20 should be bordered by lateral areas 18, 19, and arcs 22 and linear sections 21 placed on the surfaces 10, 11.

The beauty pillow 1 showed in the Figure 1. can be used instead of a conventional pillow during rest, laxation and sleeping. It is a common knowledge, that a man sleeping or resting in a lying position usually changes its position. Actually, there are four different lying position, namely lying on the back, lying on the right side, lying on the left side and lying arse upwards (lying ventrally). Nor using either a conventional pillow, the lying on the back position does not result in wrinkling of the face, since the pillow does not adjoin the skin of the face. But in the case of lying on either side or lying arse upwards, the

crinklings of the pillow result in an imprint formed in the skin of the face, straining excessively the skin becoming wrinkled after the rest. This day-to-day stress results in a rapid degradation of the skin.

Using the beauty pillow 1 according to the invention one can absolutely eliminate said day-to-day stress of the skin of the face. During sleeping or resting in a lying position user can posture either his/her right side, left side or arse upwards without any adjoining could be formed between his/her face and the surface 10 of the beauty pillow 1. Namely, in the case of lying on either side, the surface of the skin will be situated in one of the holes 8, 9 of the beauty pillow 1, depending on whether on which of his/her sides the user lying is. Lying arse upwards the situation is the same, since in this position the user's face is resting in one of the holes 8, 9 too, in such a way only the neck and the hairy skin will be in contact with the upper surface 10 of the beauty pillow 1.

As it can be seen in the section view showed in the 2. Fig. of the embodiment of beauty pillow 1 according to the present invention the beauty pillow 1 is filled with a filling 3. This filling 3 may be any kind of suitable materials i.e. coco-nut fibre, vlies, wool, or dimensionally non stable material, latex and/or polyurethane sponge.

According to the Fig. 3., the beauty pillow 1 might be filled with multilayered filling 3. In this case the layers of the filling 3 are parallel and congruent to the upper surface 10.

The advantage of the beauty pillow 1 according to the present invention in comparison to the conventional pillows designed for the same purpose is that, that the conventional pillows support the head either by the forehead and

the jaw, resulting furrows, or by using uncomfortable strainer means, or in the case of another solution having holes with different measures and the arrangement of said holes corresponds to the shape of the face, there is a need to form an individual arrangement and a sleep with one eye open to omit the displacement - the beauty pillow 1 according to the present invention ensures that the skin of the face will be depression-free despite of turning over during the rest, since the face does not adjoin in any case the beauty pillow 1, while the planar, solid part being between the holes 8, 9 is supporting the hairy skin during turn over or lying on the back, furthermore, the wrinkling of the neck and forming a double chin will be avoided by the thickness 6 of the beauty pillow 1 ensuring the straightforwardness of the backbone in a lying position and eliminating the mornward backache. Due to the anatomically formed holes 8, 9 situated on the edges of the beauty pillow 1 both the backbone and the neck are supported at the vertebrae, while the solutions mentioned above have no similar abilities. The exactly defined wideness of the centrally ordered planar part of the beauty pillow 1 is to ensure during nightly turning over the placement of the face into the other hole 8, 9 alone. So, no need to pay any attention to the nightly rest becoming comfortable and ergonomically designed, while in the case of the solutions mentioned above the changing of position is to avoid or asks for attention being in contradiction with the rest as such, especially sleeping.

CLAIMS

1. Beauty pillow having an upper surface and a lower surface arranged parallel to each other, and having side surfaces being perpendicular to the upper and lower surfaces, further comprises at least one hole, and its entire surface is covered with a cover, **characterised in that**, the beauty pillow (1) has a 'H' letter shaped right prism form in front view, and the at least one hole (8, 9) situated between the legs of the 'H' letter is defined by a lateral area (18, 19) determined by means of generating lines connecting curves formed by linear sections (21) and an arc (22) arranged on the upper and lower surface (10, 11) of the beauty pillow (1), and the minimal distance between said lateral area (18, 19) and a centreline (20) of the beauty pillow (1) is not less than a quarter of slant height (4), and a leg width (5) measured between the lateral area (18, 19) and the side surfaces (12, 13) is in the range being between $3/10 - 4/10$ of side width (7) of the beauty pillow (1) having a constant thickness (6), and a multilayered filling (3), advantageously a three-layered filling (3) is arranged beneath the cover (2) covering the beauty pillow (1) so, that the planes of the layers of the filling (3) are parallel to the upper surface (10).
2. Beauty pillow according to the 1. claim, **characterised in that**, the maximal measure of the slant height (4) of the beauty pillow (1) is 600 mm.

3. Beauty pillow according to the 1. claim, **characterised in that**, the maximal measure of side width (7) of the beauty pillow (1) is 400 mm.
4. Beauty pillow according to the 1. claim, **characterised in that**, the maximum thickness (6) of the beauty pillow (1) is 110 mm.
5. Beauty pillow according to the 1. claim, **characterised in that**, the maximal measure of leg width (5) of the beauty pillow (1) is 130 mm.
6. Beauty pillow according to the 1. claim, **characterised in that**, the maximal distance of linear sections (21) being in the same surface (10, 11) is 160 mm.
7. Beauty pillow according to the 1. claim, **characterised in that**, the maximal measure of leg width (5) of the beauty pillow (1) is 110 mm.
8. Beauty pillow according to the 1. claim, **characterised in that**, the beauty pillow contains two holes (8, 9) arranged symmetrically to the centreline (20), and minimal distance of the holes (8, 9) is 400 mm or less.
9. Beauty pillow according to the 1. claim, **characterised in that**, the thickness of the cover (2) is 0,5 mm or less.
10. Beauty pillow according to the 1. claim, **characterised in that**, the weight of the cover (2) is not less than 180 g/m^2 , and made from 100 % wool poplin, plain covering material.

11. Beauty pillow according to the 1. claim, **characterised in that**, the single layered filling (3) is made of latex and/or polyurethane sponge.
12. Beauty pillow according to the 1. claim, **characterised in that**, the material of lateral fillings (3) of the three-layered beauty pillow (1) is made of vlies, wool, or dimensionally unstable material.
13. Beauty pillow according to the 1. claim, **characterised in that**, the material of one of the centrally arranged layers of multilayered beauty pillow (1) is made of coco-nut fibre.
14. Beauty pillow according to the 1. claim, **characterised in that**, the maximum thickness of the centrally arranged layer of the three-layered beauty pillow (1) is 30 mm.
15. Beauty pillow according to the 1. claim, **characterised in that**, the maximum thickness of the laterally arranged layers of the three-layered beauty pillow (1) is 40 mm.

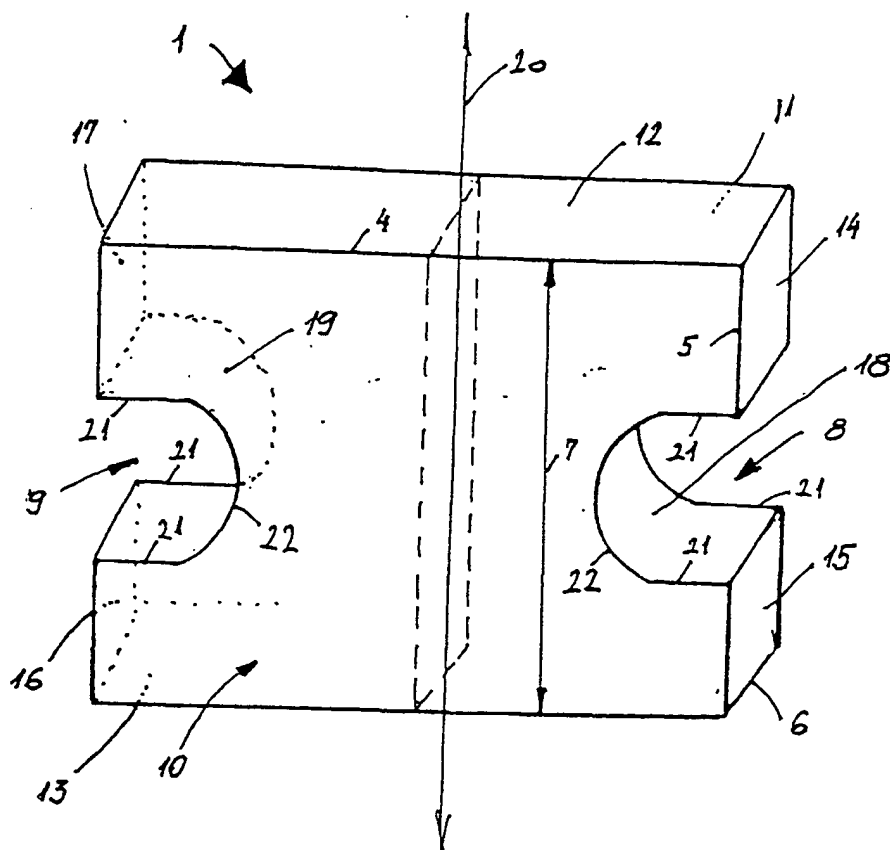
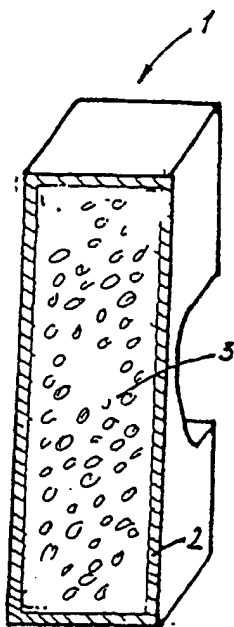
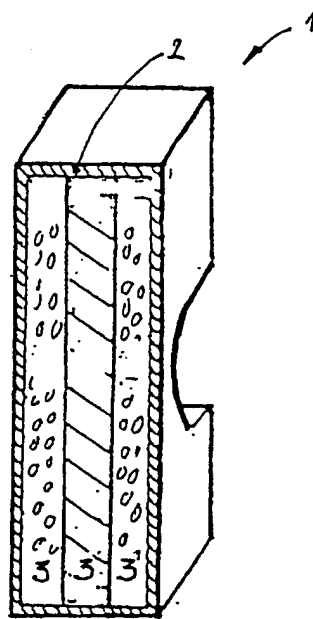


FIG. 1.

**FIG. 2.**

3/3

**FIG. 3.**

INTERNATIONAL SEARCH REPORT

International Application No

PCT/HU 00/00038

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A47G9/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A47G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|-----------------------|
| A | US 4 118 813 A (ARMSTRONG) 10 October 1978 (1978-10-10) figures | 1 |
| A | US 2 295 906 A (LACOUR) 15 September 1942 (1942-09-15) figures | 1 |
| A | US 3 604 023 A (LYNCH EDMOND J) 14 September 1971 (1971-09-14) figures 4,5 | 1 |

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☒ Patent family members are listed in annex.

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European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Beugeling, G.L.H.

INTERNATIONAL SEARCH REPORT
Information on patent family members

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| Patent document cited in search report | | Publication date | Patent family member(s) | Publication date |
|---|---|---------------------|----------------------------|---------------------|
| US 4118813 | A | 10-10-1978 | NONE | |
| US 2295906 | A | 15-09-1942 | NONE | |
| US 3604023 | A | 14-09-1971 | NONE | |